



# FortiClient (Linux) - Release Notes

Version 6.0.4

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FortiClient (Linux) 6.0.4 Release Notes

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# Change Log

Date	Change Description
2018-12-10	Initial release.

# Introduction

FortiClient (Linux) 6.0.4 is an endpoint product for well-known Linux distributions that provides FortiTelemetry, Antivirus, and Vulnerability Scan features. FortiClient (Linux) can also download and use FortiSandbox signatures.

This document provides a summary of support information and installation instructions for FortiClient (Linux) 6.0.4 build 0091.

- [Installation Information on page 6](#)
- [Product Integration and Support on page 9](#)
- [Resolved Issues on page 10](#)
- [Known Issues on page 12](#)

Review all sections prior to installing FortiClient.

# Installation Information

## Installing FortiClient (Linux)

You can install FortiClient (Linux) on the following operating systems:

- Red Hat
- CentOS
- Ubuntu

For supported versions, see [Product Integration and Support](#) on page 9.



To install a FortiClient (Linux) 6.0.4 RPM package, you must first uninstall any earlier version of FortiClient (Linux) installed. It is not supported to upgrade to FortiClient (Linux) 6.0.4 using the RPM package.

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## Installing FortiClient (Linux) from repo.fortinet.com

You can install FortiClient (Linux) from the repository at [repo.fortinet.com](http://repo.fortinet.com).

### Installing on Red Hat or CentOS

1. Add the repository by using the following command:  

```
sudo yum-config-manager --add-repo http://repo.fortinet.com/repo/centos/7/os/x86_64/fortinet.repo
```
2. Install FortiClient by using the following command:  

```
sudo yum install forticlient
```

### Installing on Ubuntu

1. Install the gpg key by using the following command:  

```
wget -O - http://repo.fortinet.com/repo/ubuntu/DEB-GPG-KEY | sudo apt-key add -
```
2. Do one of the following:
  - a. If installing on Ubuntu 16.04 LTS, add the following line in `/etc/apt/sources.list`:  

```
deb [arch=amd64] http://repo.fortinet.com/repo/ubuntu/ xenial multiverse
```
  - b. If installing on Ubuntu 18.04 LTS, add the following line in `/etc/apt/sources.list`:  

```
deb [arch=amd64] http://repo.fortinet.com/repo/ubuntu/ bionic multiverse
```
3. Update package lists by using the following command:  

```
sudo apt-get update
```
4. Install FortiClient by using the following command:  

```
sudo apt install forticlient
```

## Installing FortiClient (Linux) using a downloaded installation file

### Installing on Red Hat or CentOS

1. Obtain a FortiClient Linux installation rpm file.
2. In a terminal window, run the following command:  

```
$ sudo yum install <FortiClient installation rpm file> -y
```

 <FortiClient installation rpm file> is the full path to the downloaded rpm file.

### Installing on Ubuntu

1. Obtain a FortiClient Linux installation deb file.
2. Install FortiClient using the following command:  

```
$ sudo apt-get install <FortiClient installation deb file>
```

 <FortiClient installation deb file> is the full path to the downloaded deb file.

## Installation folder and running processes

FortiClient installation folder is /usr/bin/forticlient.

config.xml is in /etc/forticlient

In case there are issues, or to report a bug, FortiClient logs are available in /var/log/forticlient.

```

forticlient: bash - Konsole
[qa@localhost Downloads]$ cd /usr/bin/forticlient/
[qa@localhost forticlient]$ ls -al
total 13616
drwxr-xr-x. 9 root root 4096 Sep 26 09:58 .
dr-xr-xr-x. 3 root root 45056 Sep 26 09:57 ..
drwxr-xr-x. 2 root root 60 Sep 26 09:57 certs
-rwxr-xr-x. 1 root root 967176 Sep 25 12:09 fcthelper
-rwxr-xr-x. 1 root root 1504568 Sep 25 12:09 fctsched
-rwxr-xr-x. 1 root root 1410872 Sep 25 12:09 fmon
-rwxr-xr-x. 1 root root 858352 Sep 25 12:09 fortitray
drwxr-xr-x. 3 root root 35 Sep 26 09:57 gui
-rwxr-xr-x. 1 root root 71152 Sep 25 12:09 quichannel.node
-rwxr-xr-x. 1 root root 343872 Sep 25 12:09 quimessenger.node
drwxr-xr-x. 2 root root 69 Sep 26 09:57 images
-rwxr-xr-x. 1 root root 2924168 Sep 25 12:09 libav.so
drwxr-xr-x. 2 root root 24 Sep 26 09:58 logs
drwxr-xr-x. 2 root root 6 Sep 25 12:09 quarantine
-rwxr-xr-x. 1 root root 1081976 Sep 25 12:09 seaminit
-rw-r--r--. 1 root root 37 Sep 26 09:58 schtasks.json
-rwxr-xr-x. 1 root root 4649352 Sep 25 12:09 update
drwxr-xr-x. 2 root root 41 Sep 26 09:57 vir_sig
-rw-r--r--. 1 root root 29742 Sep 25 12:09 Windows-exported-b1075.xml
drwxr-xr-x. 2 root root 25 Sep 26 09:57 XLSs
[qa@localhost forticlient]$
  
```

Some running processes /usr/bin/forticlient include:

- fctsched
- fortitray
- FortiClient
- epctrl

## Uninstalling FortiClient (Linux)

Use the following procedure to uninstall FortiClient (Linux) from Red Hat or CentOS operating systems.

**To uninstall FortiClient:**

1. In a terminal window, run the following command:

```
$ sudo yum remove forticlient
```

Use the following procedure to uninstall FortiClient (Linux) from Ubuntu operating systems.

**To uninstall FortiClient:**

1. In a terminal window, run the following command:

```
$ sudo apt-get remove forticlient
```



# Product Integration and Support

The following table lists version 6.0.4 product integration and support information.

<b>Operating Systems</b>	<ul style="list-style-type: none"><li>• Ubuntu 16.04 and later</li><li>• Red Hat 7.4 and later</li><li>• CentOS 7.4 and later</li></ul> All supported with KDE or GNOME
<b>FortiClient EMS</b>	<ul style="list-style-type: none"><li>• 6.0.0 and later</li></ul>
<b>FortiOS</b>	<ul style="list-style-type: none"><li>• 6.0.0 and later</li><li>• 5.6.0 and later</li></ul>
<b>FortiSandbox</b>	<ul style="list-style-type: none"><li>• 3.0.0 and later</li><li>• 2.5.0 and later</li><li>• 2.4.0 and later</li><li>• 2.3.3 and later</li></ul>

# Resolved Issues

The following issues have been fixed in version 6.0.4. For inquiries about a particular bug, contact [Customer Service & Support](#).

## Malware Protection

Bug ID	Description
516253	FortiClient (Linux) stops generating AV logs when log level is changed to Information.

## GUI

Bug ID	Description
516224	GUI keeps showing schedule scan on AV page when it is disabled.
525256	FortiClient (Linux) has a blurry icon and is not the same size as others when viewed in the applications list.
525735	FortiClient (Linux) is missing the avatar when upgraded from 6.0.3 to 6.0.4.

## Vulnerability Scan

Bug ID	Description
516394	FortiClient (Linux) freezes on the patching progress screen and also causes the host machine to hang up.

## Install and upgrade

Bug ID	Description
520640	FortiClient (Linux) does not set OS avatar by default after fresh install.

## Endpoint Control

Bug ID	Description
518060	FortiClient (Linux) cannot disconnect from EMS when dually registered to second EMS via gateway list.

## Other

Bug ID	Description
501839	Should put all temporary files under one directory.
510255	FortiClient (Linux) displays wrong message for elevating user privilege to root when settings are unlocked.
516697	FortiClient (Linux) log level is set to Debug after installation.
516701	FortiClient (Linux) displays incorrect message when a wrong password is provided to restore the backup.
516710	FortiClient (Linux) is missing the default tab option on the <i>Settings</i> page.

# Known Issues

The following issues have been identified in FortiClient (Linux) 6.0.4. For inquiries about a particular bug or to report a bug, contact [Customer Service & Support](#).

## Malware Protection

Bug ID	Description
493329	Sandbox IP configured in EMS cannot be synced to FortiClient (Linux).
503202	FortiClient (Linux) does not report AV events to EMS.

## GUI

Bug ID	Description
525040	FortiClient (Linux) GUI does not show correct number of threats found during custom scan

## Vulnerability Scan

Bug ID	Description
524864	FortiClient (Linux) sends wrong most recent Vulnerability Scan time to EMS.

## Endpoint Control

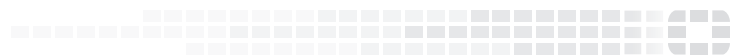
Bug ID	Description
524741	FortiClient (Linux) is unable to register silently.
525870	FortiClient (Linux) is unable to re-register to EMS when backup is restored.
526080	FortiClient (Linux) shows non-compliant status when the minimum FortiClient (Linux) version set by the FortiGate is 6.0.0 and above.

## Other

Bug ID	Description
505552	Cannot export logs from FortiClient (Linux).
521758	Unable to launch FortiClient (Linux) GUI on Ubuntu 18.10.
522353	Fctogupload keep running when remote logging is not enabled from EMS.
524959	Computer just freezes on SVN checkout.
525869	FortiClient (Linux) does not provide any message when wrong password is provided to restore backup.



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